



# Hunters Point Radiological Program Update

Hunters Point Naval Shipyard  
BCT Meeting  
April 26, 2012

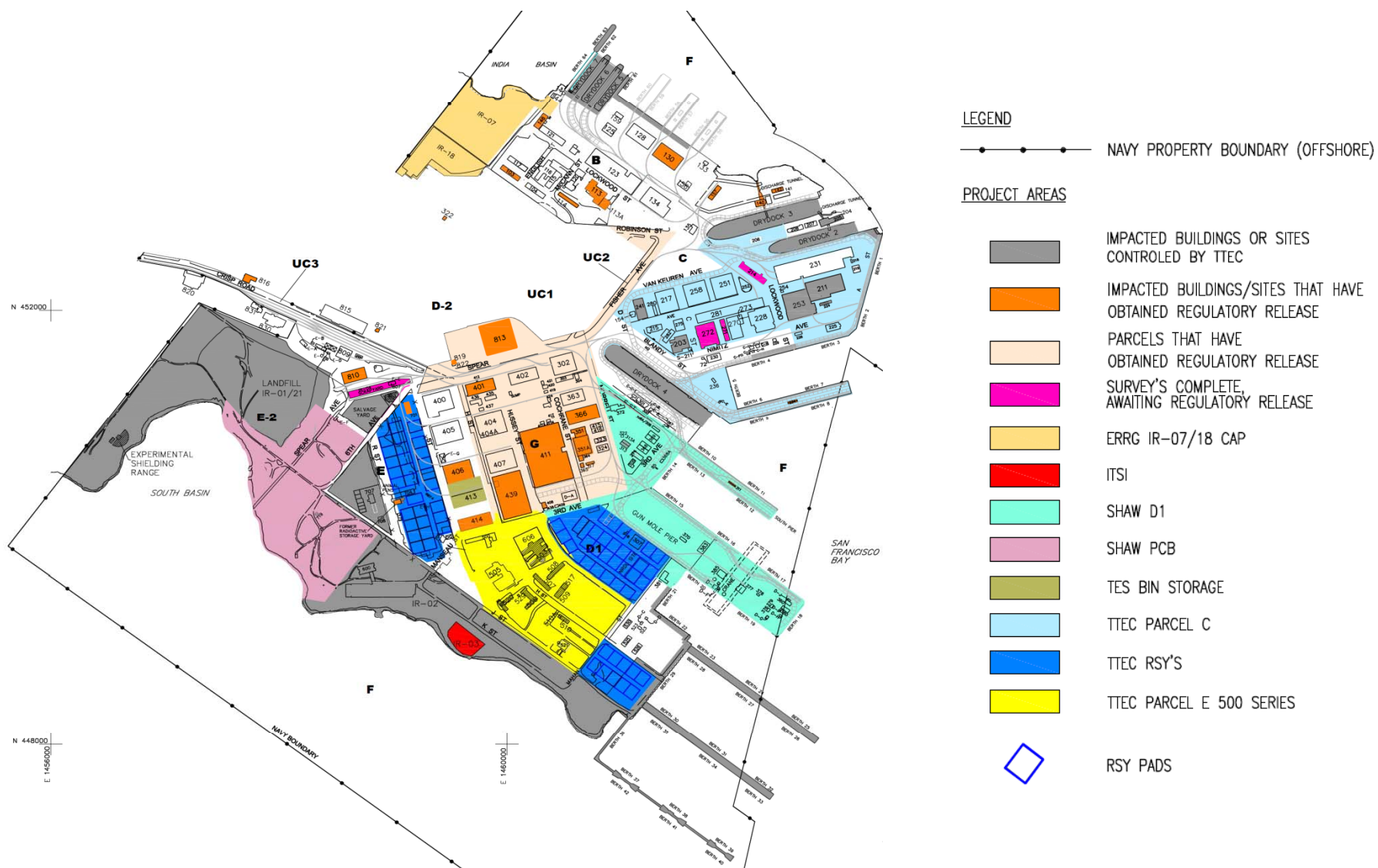


# Overview



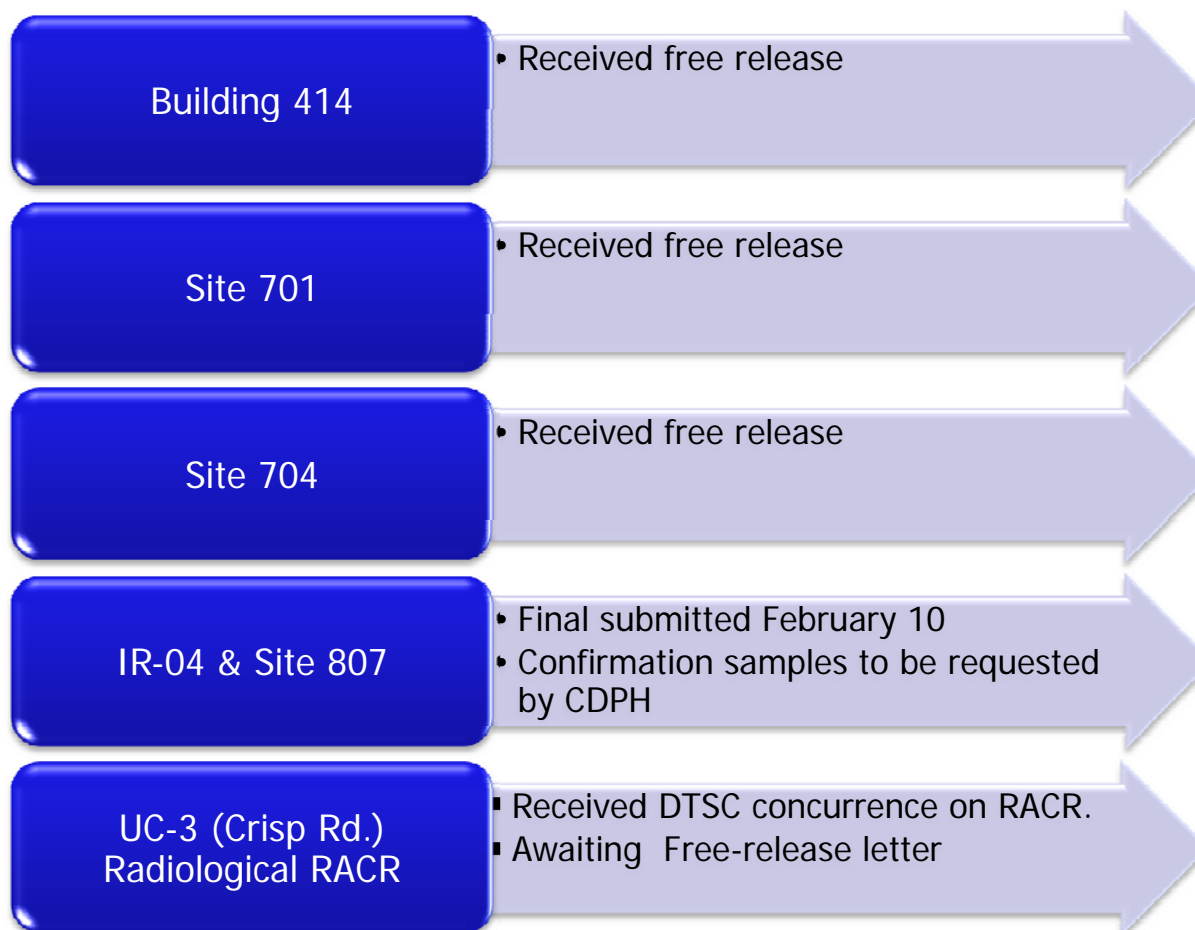
## Radiological Project Work Overview

- Current Project Map
- SS/SD Removal and Building Survey Update
  - Crisp Road/Parcel E
  - Parcel C
  - Parcel E 500-Series
  - Parcel D-1
- Status of Radiological RACRs
- IR 7/18 Update





## Crisp Road/Parcel E Building and Site Surveys







## Parcel C Storm Drain & Sewer Removals



- SS/SD line removal commenced in Parcel C on January 4, 2011
  - Excavated soil and pipe removal through April 13, 2012:
    - 21,586 linear feet of SS/SD lines removed
      - 62% of the total 34,866 lf of Parcel C removed to date
    - 35,979 cubic yards excavated
    - 27 of 38 active Survey Units have been restored/repaved



## Parcel C Building and Site Surveys



Building 214

- Final FSS submitted November 2. No confirmation survey anticipated. Awaiting free release letter.

Building 271

- Final FSS submitted March 23.

Building 241

- Final FSS submitted April 24.

Building 272

- Final FSS submitted March 22.

Buildings 203

- Final FSS submitted April 10.

North Pier

- Surveys ongoing, scan survey complete





## Parcel C & E Buildings/Sites Status

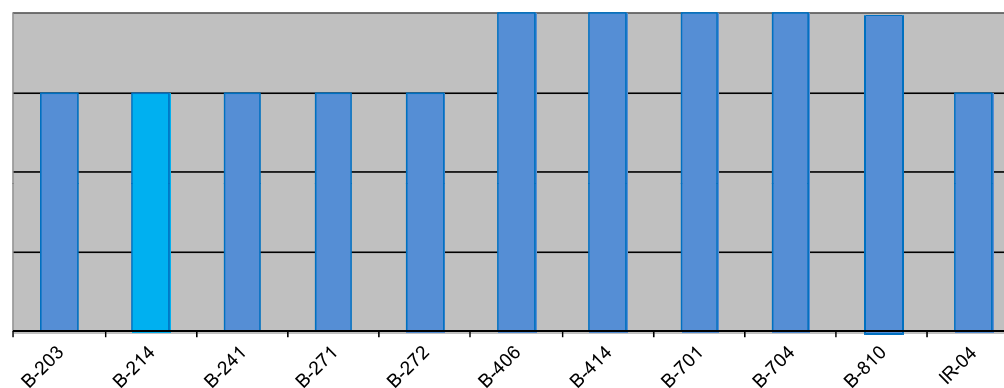


Free-Released

Final

Draft

Internal Draft  
(Data under review)



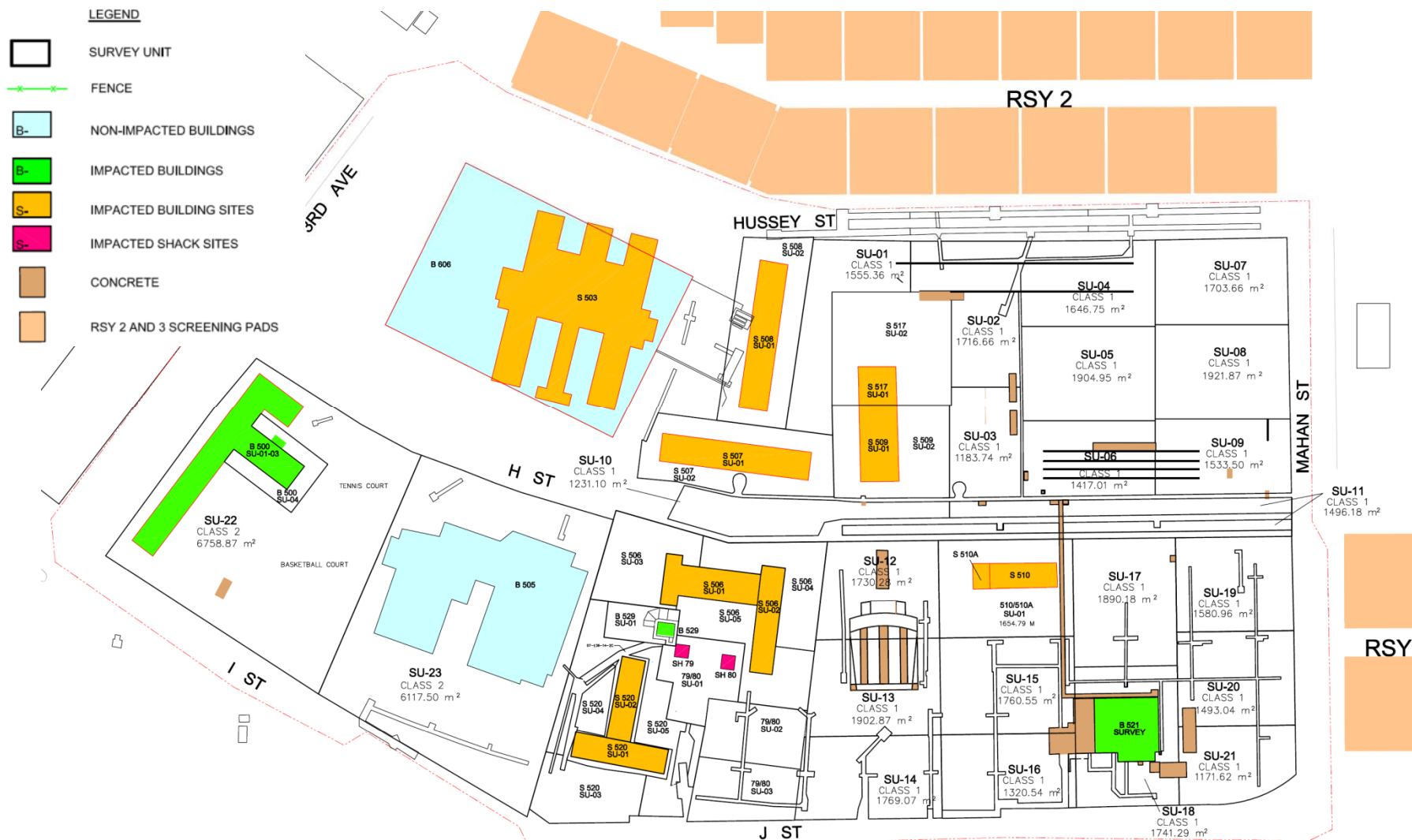
Waiting for CDPH  
radiological unrestricted  
release recommendation  
letter







# Impacted Building and Sites Within Parcel E 500 Series Area





## Parcel E 500 Series Building / Site Surveys



- Field Work complete! Report progress is as follows:
  - Building 500: Internal Draft FSS under Navy review
  - Building 503 site: Internal Draft FSS under Navy review
  - Building 506 Site: Awaiting off-site analytical results
  - Building 509 site: Internal Draft FSS in development
  - Building 510/510A site: Internal Draft FSS under RASO review
  - Building 520 Site: Awaiting off-site analytical results
  - Building 521: Internal Draft FSS under Navy review
  - Building 529 site: Internal Draft FSS in development



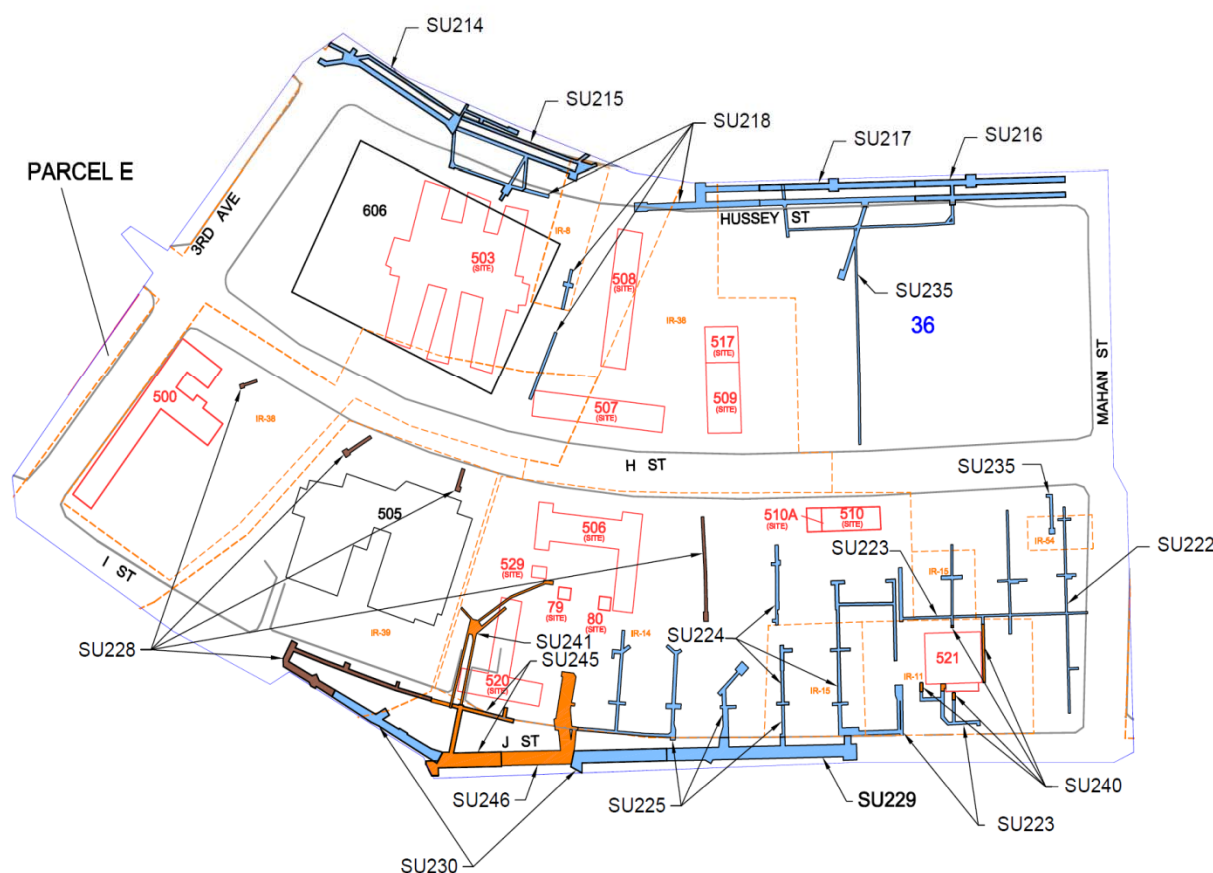
## Parcel E 500 Series Building / Site Surveys



- Field Work (continued)
  - 500 Series Area: 43% completed scanning and sampling
  - Shacks 79/80 Site: Characterization and remediation ongoing
  - Building 507 Site: Continued survey activities
  - Building 508 Site: Continued survey activities
  - Building 517 Site: 50% complete scanning and sampling



# Parcel E Storm Drain & Sewer Removals



## LEGEND

- SU 191 - SURVEY UNIT (SU)
- 36 - WORK AREA BOUNDARY AND NUMBER
- IR-27 - IR BOUNDARY AND NUMBER
- 140 - IMPACTED BUILDING BUILDING NUMBER
- 142 - IMPACTED BUILDING FORMER BUILDING LOCATION
- 128 - NON-IMPACTED BUILDING BUILDING NUMBER
- ACTIVE SURVEY UNITS (QTY = 0)
- SURVEY UNITS THAT HAVE PASSED SYSTEMATIC SAMPLING BUT WAITING FOR OFFSITE (QTY = 4)
- SURVEY UNITS THAT HAVE PASSED OFFSITE AND SYSTEMATIC SAMPLING BUT WAITING FOR BACKFILL APPROVAL (QTY = 0)
- APPROVED FOR BACKFILL (QTY = 0)
- BACKFILLED/PAVED (QTY = 12)
- CURRENTLY BACKFILLING/PERFORMING COMPACTION (QTY = 1)



## Parcel D-1 Current Field Work Status



- Gun Mole Pier
  - Contractor internally reviewing gamma walk over data
    - Gamma spectroscopy data accepted for 70 of 74 survey units
    - Continue remediating 4 impacted SUs for cesium-137
  - Additional work to commence mid May 2012
    - Subsurface vault and utility corridor sediment sampling and surveys
    - Removal of concrete pads and structures
- South Pier
  - Contractor internally reviewing gamma walk over data
    - Gamma spectroscopy data accepted for 14 of 14 survey units
  - Additional work to commence mid May 2012
    - Subsurface vault and utility corridor sediment sampling
    - Removal of concrete pads and structures





## Parcel D-1 Current Field Work Status



- Building 274
  - Developing internal draft FSS Report. Due out April 27, 2012.
  - Sewer line removal complete (SU-256). Sample data from SU pending.
  - Final area of elevated readings inside Building 274 to be removed and sampled to complete work.
- Building 383 Area
  - Removal of concrete footer foundation to begin in mid May 2012. Survey of exposed soil to follow.
  - Remaining 383 area previously surveyed and sampled.
- Building 313, 313A & 322 Sites - Surveyed and Sampled
  - Internal draft FSS Report in Navy review (submitted April 20, 2012).



Inside of Building 274 – sewer lines removed.



## Parcel D-1 Current Field Work Status

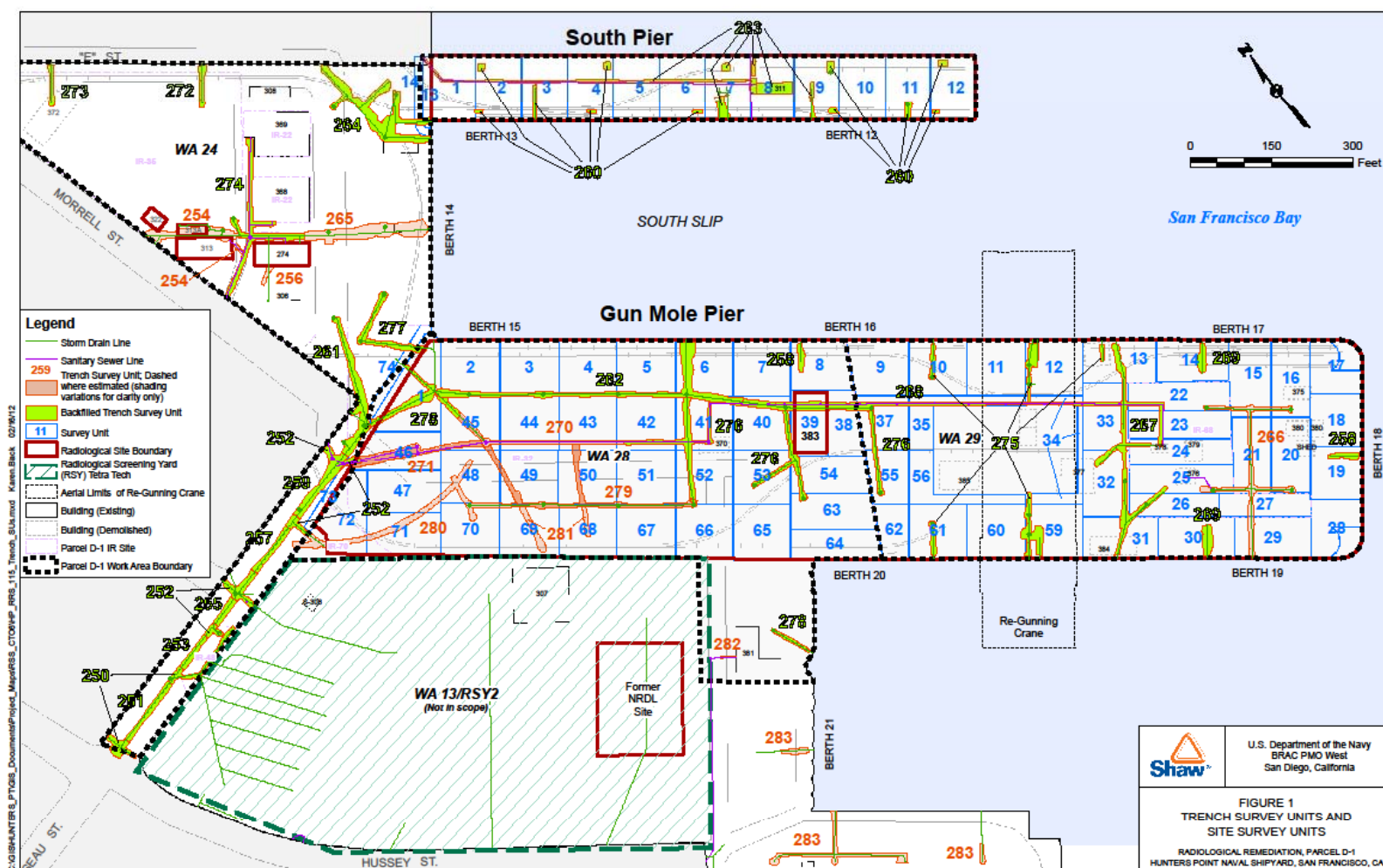


- Storm Drain and Sanitary Sewer Removal
  - 99% complete (1 Survey Unit remains to be further excavated in Building 274)
    - Final SU on-going (Building 274)
  - Completed trench backfill on 29 SUs of 34 total (85% overall complete)
  - Final remediation of SU 265 and 254 completed on April 20 (remediated for radium-226)
  - Continue to prepare Draft SUPR Packages for submittal to Regulators
    - Three packages submitted to date (#101, 102, 103)
    - Package #105 scheduled for submittal April 24





# Parcel D-1 Overview





# Status of Radiological RACRs



- Final **Parcel B** Rad RACR
  - Awaiting free release letter from EPA and CDPH
  - A “no further comments” letter from CDPH was received on the draft version
  - DTSC concurred on the RACR
- Final **Parcel UC-3** Rad RACR issued March 2012
  - Awaiting free release letter from EPA and CDPH.
  - A “no further comments” letter from CDPH was received on the draft version
  - DTSC concurred on the RACR
- Final **Parcel D-2** Rad RACR (Rev.2)
  - Free Released
- Final **Parcel G** Rad RACR
  - Free Released
- Final **Parcel UC-1&2** Rad RACR
  - Free Released



## IR 7/18 Modeling Update



- Members of Navy, CDPH, DTSC, and the contractor held a follow-up meeting on April 2, 2012 to discuss specific changes to the document and to clarify written comments.
- Navy is currently editing the text and responding to comments. Anticipate a final revision completed by mid-May 2012.



Comments, Questions, Concerns ???